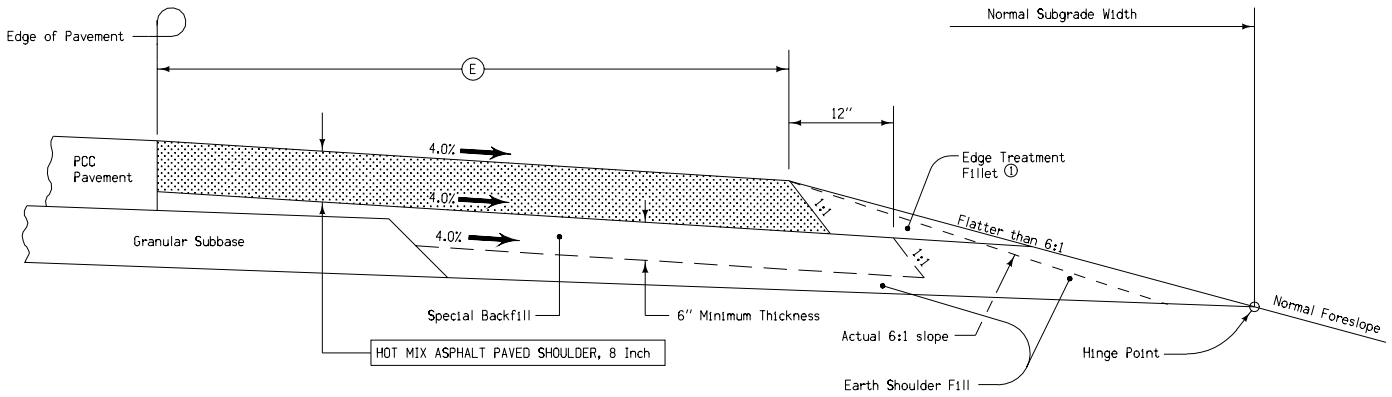
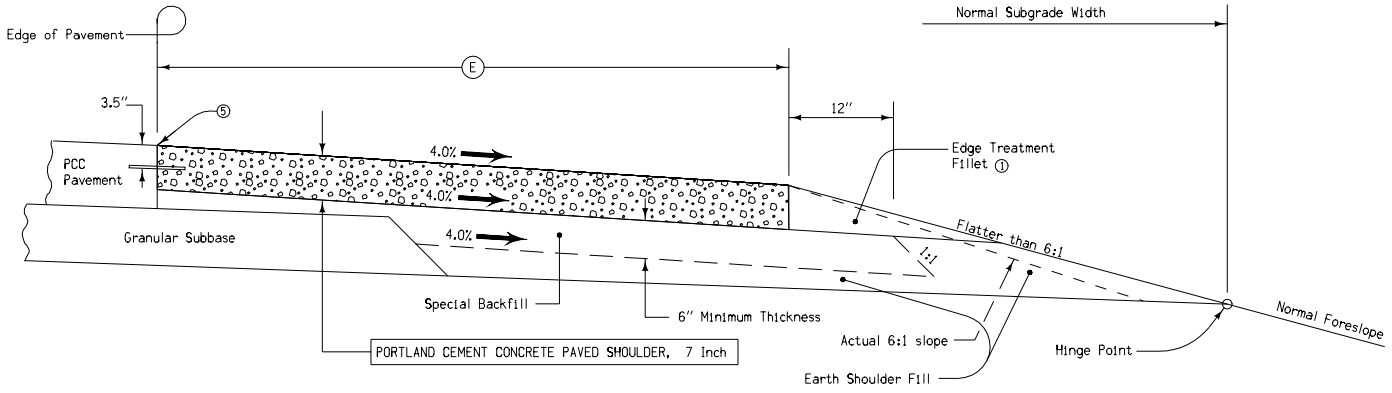



TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER




TYPICAL SECTION
P.C. CONCRETE PAVED SHOULDER

GENERAL NOTES:

Payment for "Special Backfill" shall be based on a uniform 6 inch thickness. The thickness may be exceeded at the Contractor's option with no compensation for the additional material.

① Refer to the appropriate Detail Drawing.

② Rates indicated are for design purposes. Quantities listed are for one shoulder per station.

③ Quantities shown are based on a design weight of 145 lbs/cu. ft. for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 3/4" aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. $N_{ini}$, $N_{des}$, and $N_{max}$ shall be 7, 68, and 104 respectively regardless of design ESALs for the pavement. Asphalt Binder PG58–28 shall be utilized with this mix.

④ Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack Coat estimated at one (1) application at 0.05 gal/sq. yd.

⑤ 'BT–1' or 'BT–3' joint. Refer to Standard Road Plan RH–51.

DESIGN QUANTITY TABLE ②

| SHOULDER SURFACE AREA (HMA and PCC) | | | | HMA SHOULDER ③ | | | | | | | | | | | | PCC SHOULDER | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | HOT MIX ASPHALT | | | | ASPHALT BINDER | | | | TACK COAT ④ | | | | VOLUME | | | |
| Sq. Yds. | | | | Tons | | | | Tons | | | | Gallons | | | | Cu. Yds. | | | |
| E=4' | E=6' | E=8' | E=10' | E=4' | E=6' | E=8' | E=10' | E=4' | E=6' | E=8' | E=10' | E=4' | E=6' | E=8' | E=10' | E=4' | E=6' | E=8' | E=10' |
| 44.44 | 66.67 | 88.88 | 111.11 | 20.94 | 30.61 | 40.28 | 49.95 | 1.21 | 1.77 | 2.33 | 2.89 | 2.91 | 4.02 | 5.13 | 6.24 | 8.64 | 12.96 | 17.28 | 21.59 |

Iowa Department of Transportation
*Highway Division*

# STANDARD ROAD PLAN RH–41A

| REVISION: Remove reference to Rumble Strip Standard. | REVISION NO. |
|---|---|
| | 19 |
| William J. Stein | REVISION DATE |
| APPROVED BY DESIGN METHODS ENGINEER | 10-21-03 |

PAVED SHOULDER ALTERNATES
(8" HMA AND 7" PCC)